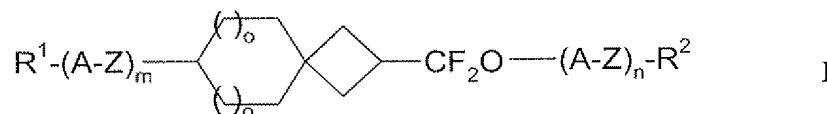



This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) Cyclobutane derivatives of the formula I



in which

$R^1, R^2$  are identical or different and each, independently of one another, denote H, halogen (F, Cl, Br or I) or a linear or branched, optionally chiral alkyl or alkoxy radical having 1 to 15 C atoms which is unsubstituted or mono- or polysubstituted by halogen and in which one or more  $\text{CH}_2$  groups may each be replaced, independently of one another, by  $-\text{O}-$ ,  $-\text{S}-$ ,  $-\text{CO}-$ ,  $-\text{CO}-\text{O}-$ ,  $-\text{O}-\text{CO}-$ ,  $-\text{O}-\text{CO}-\text{O}-$ ,  $-\text{CH}=\text{CH}-$ ,  $-\text{CH}=\text{CF}-$ ,  $-\text{CF}=\text{CF}-$ ,  $-\text{C}\equiv\text{C}-$  or  in such a way that heteroatoms are not linked directly to one another,  $-\text{CN}$ ,  $-\text{SCN}$ ,  $-\text{NCS}$ ,  $-\text{SF}_5$ ,  $-\text{SCF}_3$ ,  $-\text{CF}_3$ ,  $-\text{CF}=\text{CF}_2$ ,  $-\text{CF}_2\text{CF}_2\text{CF}_3$ ,  $-\text{OCF}_3$ ,  $-\text{OCHF}_2$ ,  $-\text{CF}_2\text{CH}_2\text{CF}_3$  or  $-\text{OCH}_2\text{CF}_2\text{CHFCF}_3$ ,

A is identical or different and in each case, independently of one another, denotes

- a) trans-1,4-cyclohexylene, in which, in addition, one or more non-adjacent  $\text{CH}_2$  groups may be replaced by  $-\text{O}-$  and/or  $-\text{S}-$  and in which, in addition, one or more H atoms may be replaced by F,
- b) 1,4-phenylene, in which one or two CH groups may be replaced by N and in which, in addition, one or more H atoms may be replaced by halogen (F, Cl, Br or I),  $-\text{CN}$ ,  $-\text{CH}_3$ ,  $-\text{CHF}_2$ ,  $-\text{CH}_2\text{F}$ ,  $-\text{OCH}_3$ ,  $-\text{OCHF}_2$  or  $-\text{OCF}_3$ ,

c) a radical from the group bicyclo[1.1.1]pentane-1,3-diyl, bicyclo[2.2.2]octane-1,4-diyl, spiro[3.3]heptane-2,6-diyl, naphthalene-2,6-diyl, decahydronaphthalene-2,6-diyl, 1,2,3,4-tetrahydronaphthalene-2,6-diyl and piperidine-1,4-diyl, or

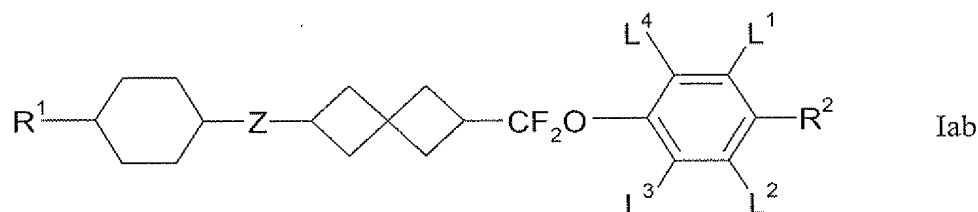
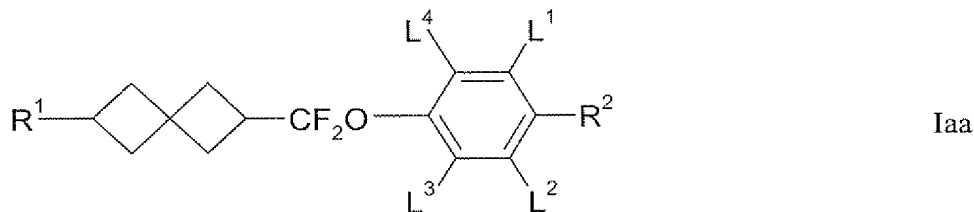
d) 1,4-cyclohexenylene,

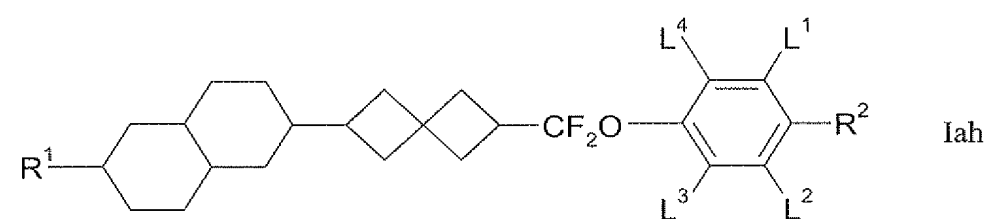
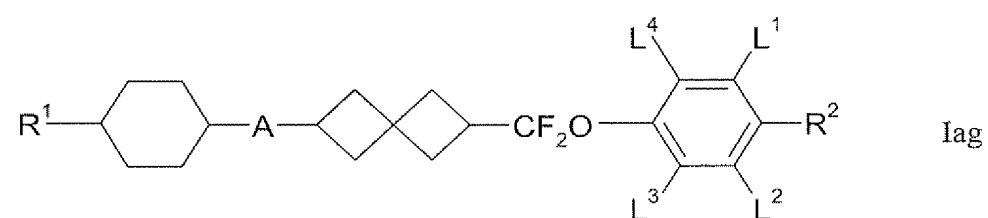
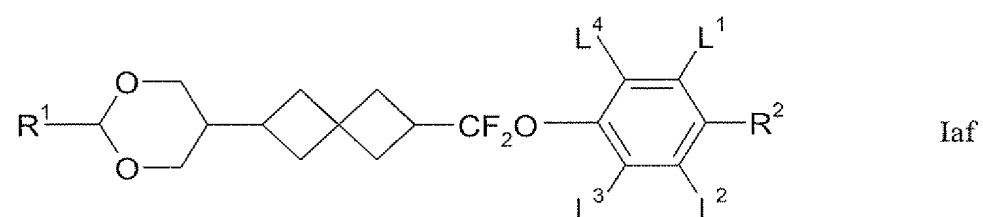
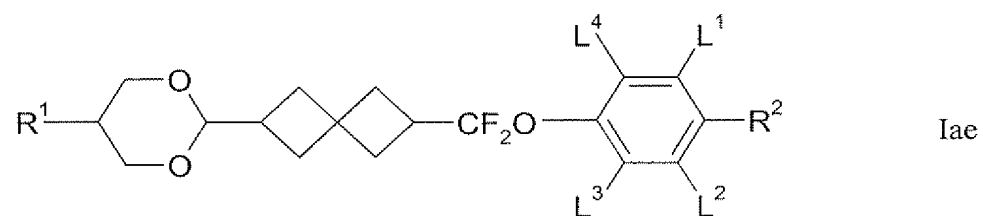
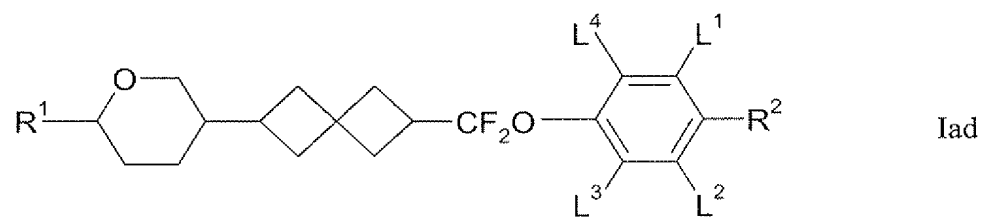
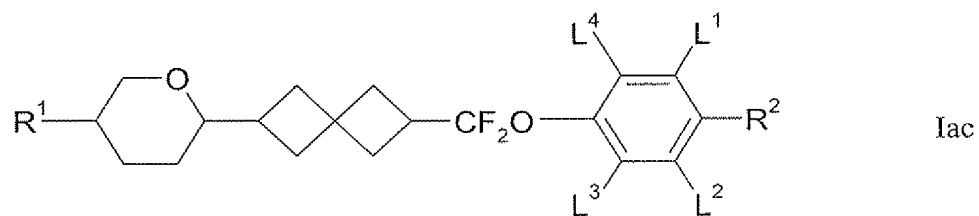
Z is identical or different and in each case, independently of one another, denotes -O-, -CH<sub>2</sub>O-, -OCH<sub>2</sub>-, -CO-O-, -O-CO-, -CF<sub>2</sub>O-, -OCF<sub>2</sub>-, -CF<sub>2</sub>CF<sub>2</sub>-, -CH<sub>2</sub>CF<sub>2</sub>-, -CF<sub>2</sub>CH<sub>2</sub>-, -CH<sub>2</sub>CH<sub>2</sub>-, -CH=CH-, -CH=CF-, -CF=CH-, -CF=CF-, -CF=CF-COO-, -O-CO-CF=CF-, -C≡C- or a single bond,

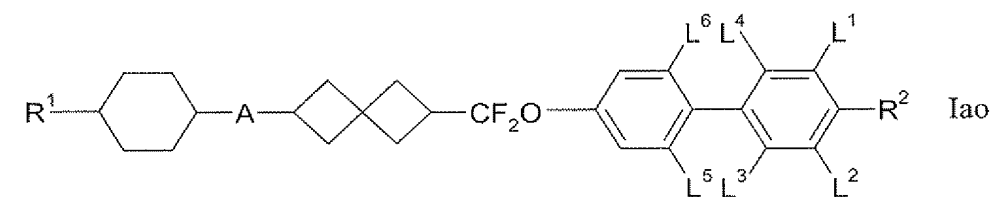
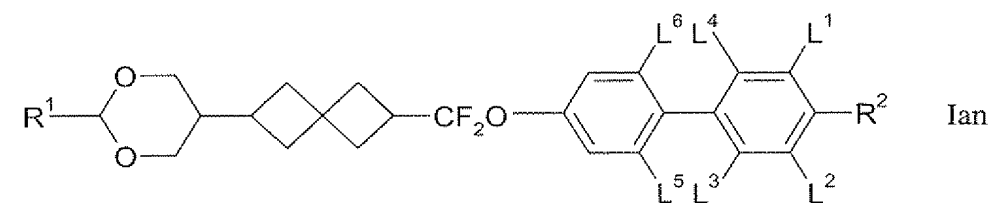
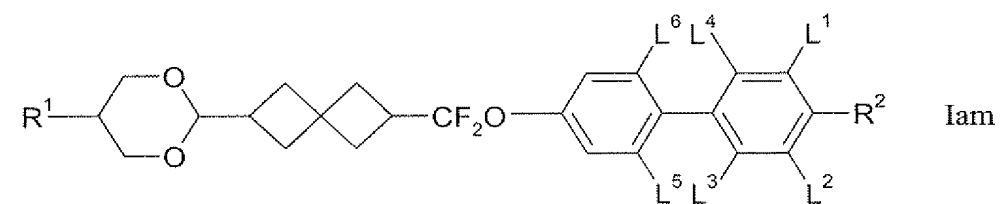
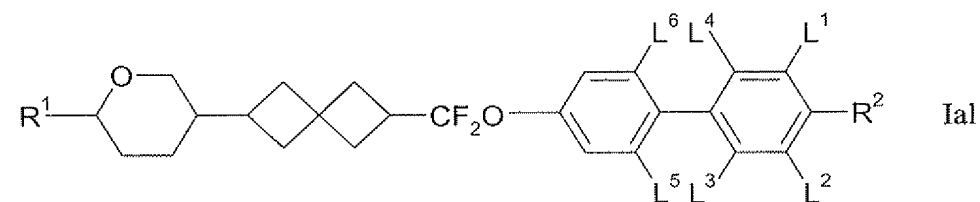
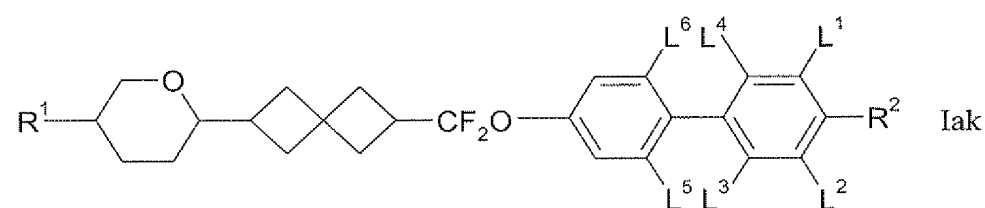
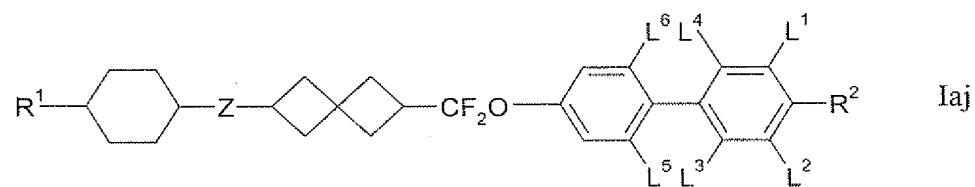
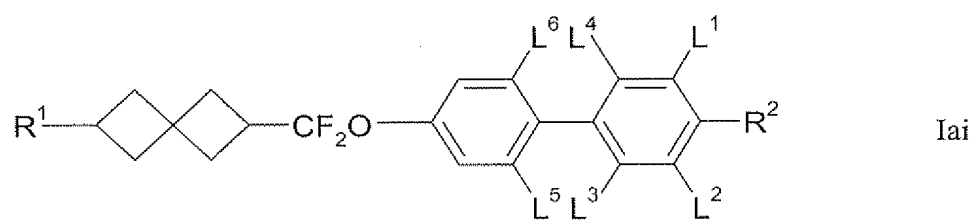
m, n are identical or different and, independently of one another, denote 0, 1 or 2, and

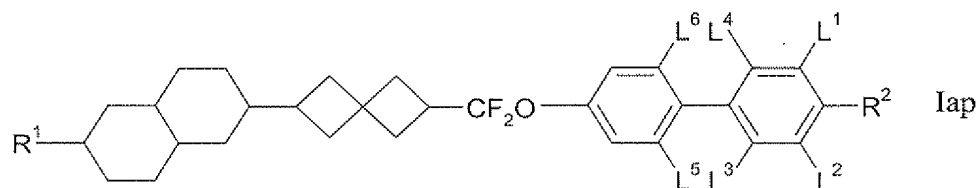
o denotes 0 or 1.

2. (Currently Amended) Compounds according to Claim 1, wherein ~~characterised in that~~ both o denote 0.
3. (Currently Amended) Compounds according to Claim 1, wherein ~~characterised in that~~ both o denote 1.
4. (Currently Amended) Compounds according to Claim 2, having ~~characterised in that they have~~ one of the following formulae:



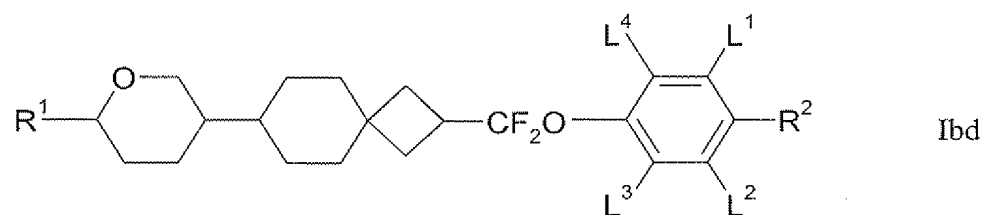
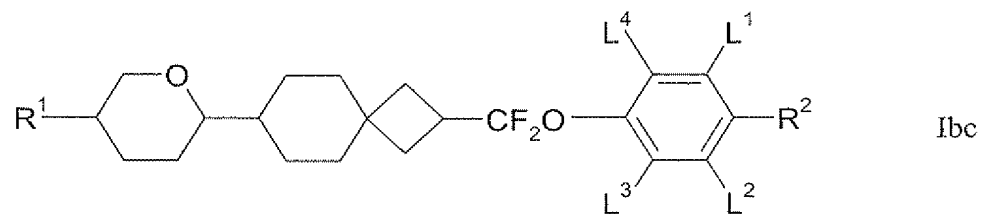
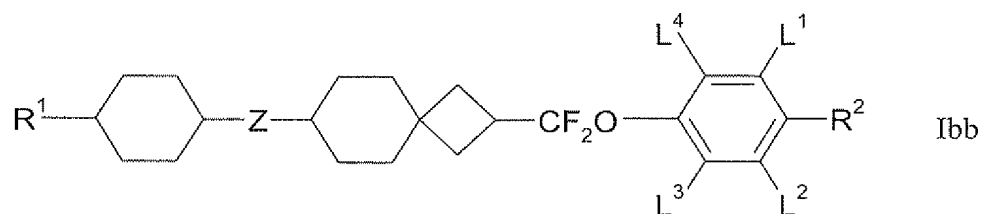
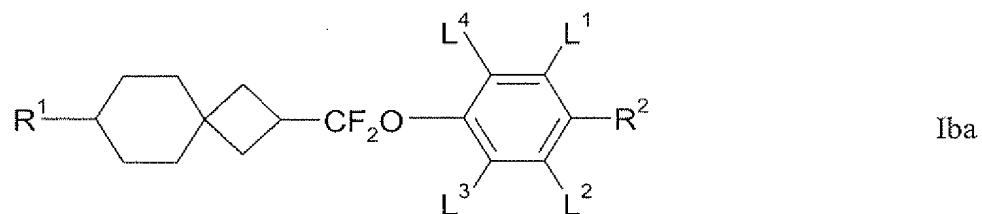


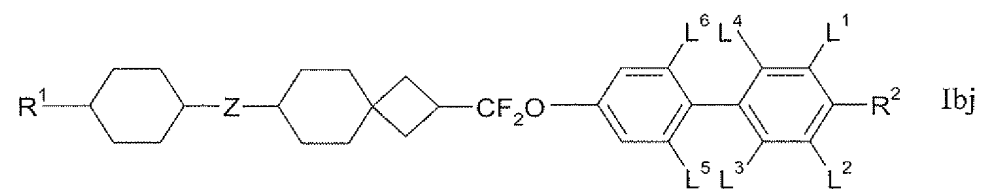
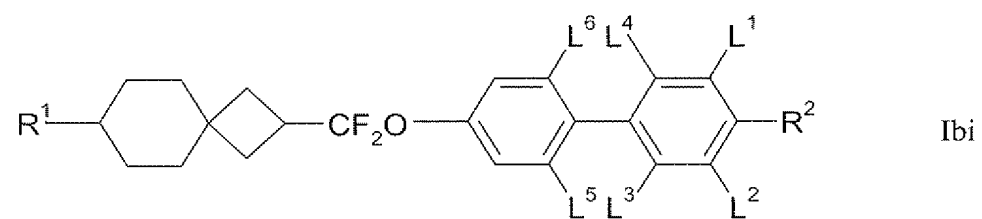
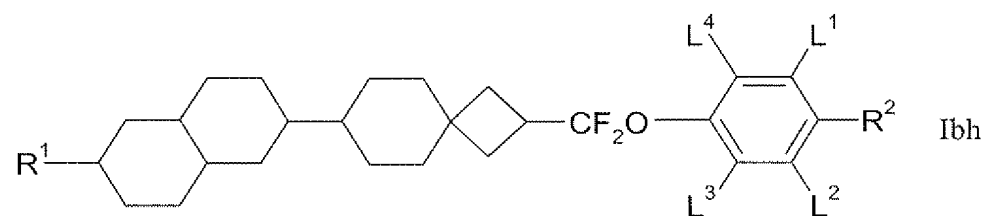
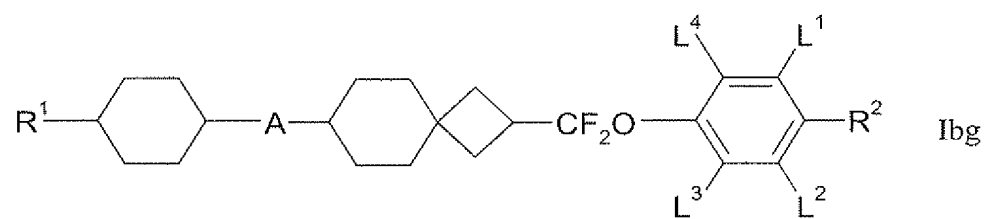
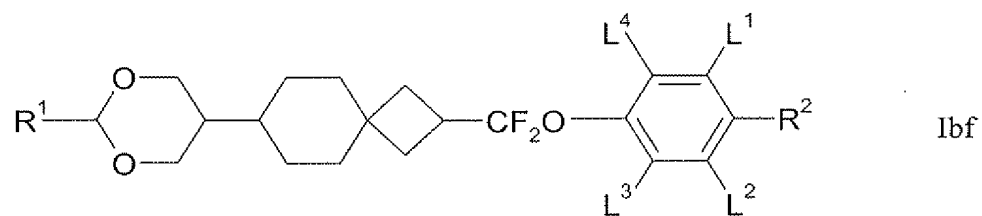
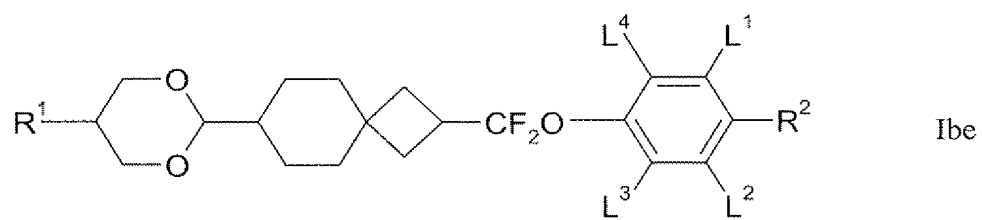


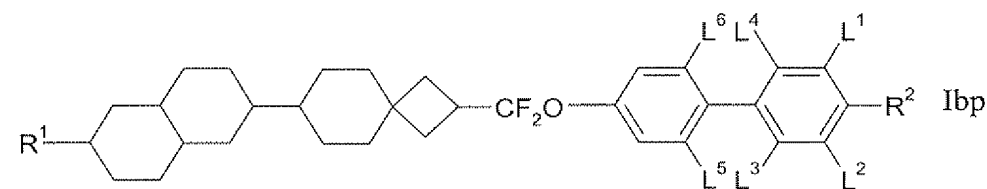
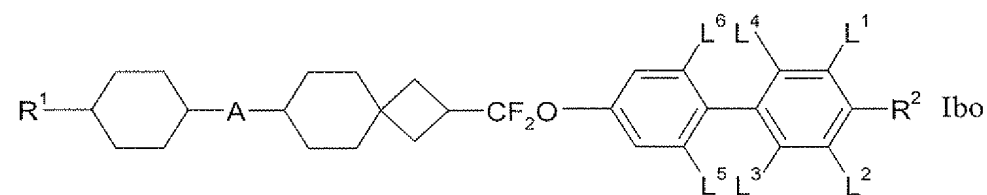
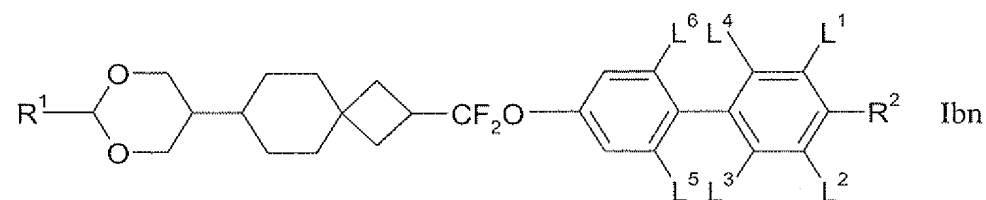
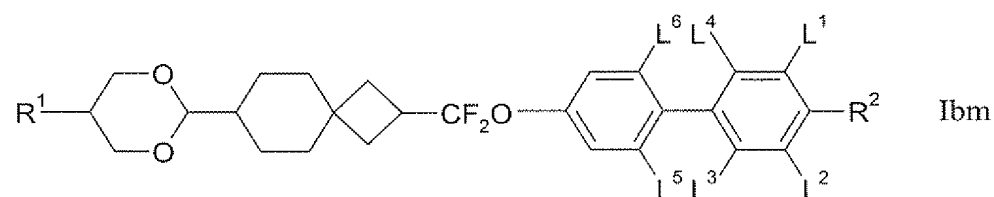
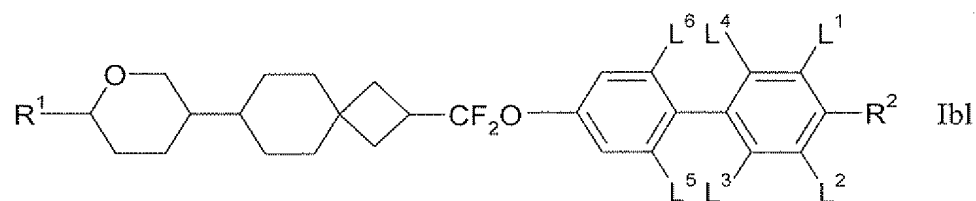
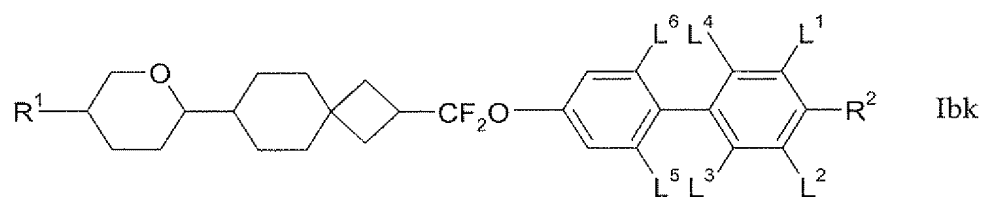


in which  $L^1, L^2, L^3, L^4, L^5$  and  $L^6$ , are identical or different and, independently of one another, denote H or F.

5. (Currently Amended) Compounds according to Claim 3, having characterised in that they have one of the following formulae:







in which  $L^1$ ,  $L^2$ ,  $L^3$ ,  $L^4$ ,  $L^5$  and  $L^6$ , are identical or different and, independently of one another, denote H or F.

6. (Currently Amended) Compounds according to at least claim 1, characterised in that  $R^1$  denotes H or a linear alkyl radical having 1 to 10 C atoms.

7. (Currently Amended) Compounds according to claim 1, characterised in that  $R^2$  denotes H, a linear alkoxy radical having 1 to 10 C atoms, -F, -Cl, -CF<sub>3</sub>, -OCF<sub>3</sub>, -OCHF<sub>2</sub>, -CN, -NCS or -SF<sub>5</sub>.
8. (Canceled)
9. (Currently Amended) Liquid-crystalline medium having at least two liquid-crystalline components, wherein at least one component ~~characterised in that it comprises at least one compound of the formula I according to claim 1~~ wherein.
10. (Currently Amended) Liquid-crystal display element, ~~characterised in that it contains,~~ as containing a dielectric, which dielectric is a liquid-crystalline medium according to Claim 9.
11. (Currently Amended) Reflective or transfective liquid-crystal display element, ~~characterised in that it contains,~~ as containing a dielectric, which dielectric is a liquid-crystalline medium according to Claim 9.
12. (Currently Amended) Electro-optical display element, ~~characterised in that it contains,~~ as containing a dielectric, which dielectric is a liquid-crystalline medium according to Claim 9.